

Customer Number: 000959

Attorney's
Docket
Number MNI-134CP2

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

32142, 21481, 25964, 21686, NOVEL DEHYDROGENASE MOLECULES AND USES
THEREFOR

the specification of which

(check one)

 is attached hereto.

X was filed on April 18, 2001 as

Application Serial No. 09/838,561

and was amended on _____
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design), before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

no such applications have been filed.

such applications have been filed as follows

**EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			- Yes No -
			- Yes No -
			- Yes No -
			- Yes No -
			- Yes No -

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
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CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/192,002
(Application Serial No.)

March 24, 2000
(Filing Date)

(Application Serial No.)

(Filing Date)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

09/634,955
(Application Serial No.)

August 8, 2000
(Filing Date)

(Status)
(patented,pending,aband.)

09/816,760
(Application Serial No.)

March 23, 2001
(Filing Date)

(Status)
(patented,pending,aband.)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield	Reg. No. 19,162	Peter C. Lauro	Reg. No. 32,360
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Ralph A. Loren	Reg. No. 29,325	David J. Rikkers	Reg. No. 43,882
Giulio A. DeConti, Jr.	Reg. No. 31,503	Maria C. Laccotripe	Limited Recognition Under 37 C.F.R. § 10.9(b)
Ann Lampert Hammitt	Reg. No. 34,858	Debra J. Milasincic	Reg. No. 46,931
Elizabeth A. Hanley	Reg. No. 33,505	David R. Burns	Reg. No. 46,590
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Jane E. Remillard	Reg. No. 38,872	Cynthia L. Kanik	Reg. No. 37,320
Jeremiah Lynch	Reg. No. 17,425		
Kevin J. Canning	Reg. No. 35,470		
Jeanne M. DiGiorgio	Reg. No. 41,710		
Megan E. Williams	Reg. No. 43,270		
Nicholas P. Triano III	Reg. No. 36,397		

all of: LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

and to: Jean M. Silveri	Reg. No. 39,030	Mark F. Boshar	Reg. No. 35,456
Theodore Allen	Reg. No. 41,578	Scott A. Brown	Reg. No. 32,724
Jill E. Uhl	Reg. No. 43,213	George C. Jen	Reg. No. 39,239
Susan M. Perkins	Reg. No. 36,405		

of: Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, MA 02139

Send Correspondence to Amy E. Mandragouras, Esq. at Customer Number: 000959 whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Amy E. Mandragouras, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Rachel Meyers	Date
Inventor's signature <i>Rachel Meyers</i>	<i>X 10/15/01</i>
Residence 115 Devonshire Road Newton, MA 02468	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of second inventor William James Cook	Date
Inventor's signature	
Residence 22 Reynolds Avenue Natick, MA 01760	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any Mark Williamson	Date
Inventor's signature	
Residence 15 Stonecrest Drive Saugus, MA 01906	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fourth inventor, if any

Laura A. Rudolph-Owen

Inventor's signature

Date

Residence

186 Arborway, #1, Jamaica Plain, MA 02130

Citizenship

U.S.A.

Post Office Address (if different)

Full name of sole or first inventor

Ruth Gimeno

Inventor's signature

Date

Residence

250 Commonwealth Avenue, Apt. No. 23, Boston, Massachusetts 02116

Citizenship

U.S.A.

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the specification of which

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X was filed on April 18, 2001 as

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and was amended on _____
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I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

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			- Yes No -
			- Yes No -
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United States of America	US 2001	01/01/2001	- Yes No -

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
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OR

I hereby declare that I have read the above claim of benefit of earlier foreign application(s) and fully understand its meaning. I further declare that I am the inventor or an inventor named on the application(s) and that I have full power to make this declaration.

CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

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60/192,002
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March 24, 2000
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of: Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, MA 02139

Application Serial No. 08/631,451
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Full name of first inventor Rachel Meyers	Date
Inventor's signature	
Residence 115 Devonshire Road Newton, MA 02468	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of second inventor William James Cook	Date
Inventor's signature <i>X William James Cook</i>	<i>X 10/9/01</i>
Residence 22 Reynolds Avenue Natick, MA 01760	245 Messer Hill Rd. New London, NH 03257
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any Mark Williamson	Date
Inventor's signature	
Residence 15 Stonecrest Drive Saugus, MA 01906	
Citizenship U.S.A.	
Post Office Address (if different)	

Full name of fourth inventor, if any

Laura A. Rudolph-Owen

Inventor's signature

Date

Residence

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Citizenship

U.S.A.

Post Office Address (if different)

Full name of sole or first inventor

Ruth Gimeno

Inventor's signature

Date

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			<input type="checkbox"/> Yes <input type="checkbox"/> No
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60/192,002

(Application Serial No.)

March 24, 2000

(Filing Date)

previous provisional applications.

60/192,002

(Application Serial No.)

(Filing Date)

ENTITLED "PORTION APPARATUS OR USE FILED WITHIN 12 MONTHS
OF THIS PROVISIONAL APPLICATION, OR DESIGN PRIOR TO THIS

Country	Application Number	Date of Filing	Priority Claimed
			Yes No
			Yes No
			Yes No

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POWER OF ATTACHMENT AND FORCED SALE. Pursue the following course:

Full name of first inventor	Rachel Meyers	Date	Reg. No. 30,957 Reg. Ma. 21, 1882
Inventor's signature	Ralph...L...		
Residence	115 Devonshire Road Newton, MA 02468	Patent Office Received	Mar. 13, 1881 46,031
Citizenship	U.S.A.	Patent Office Received	Reg. No. 33,877 Reg. Ma. 13, 1880
Post Office Address (if different)	35,470 1,710 270 36,397	Patent Office Received	Reg. No. 33,175 Reg. Ma. 13, 1880

Full name of second inventor		William James Cook	
Inventor's signature	The Anna A. Cook	Date	Reg. No. 33,570
Residence	E. U.S. 22 Reynolds Avenue Natick, MA 01760	Reg. No. 43,915	George C. Jan Reg. No. 36,416
Citizenship	U.S.A.		
Post Office Address (if different)	Pharmaceuticals, Inc., 73 Sidney Street, Cambridge, MA 02139 at Customer Number: 003959		

Full name of third inventor, if any	
Mark Williamson	
Inventor's signature	Date
<i>x</i> <i>Mark Williamson</i>	<i>x</i> <i>10-4-01</i>
Residence	15 Stonecrest Drive Saugus, MA 01906
Citizenship	U.S.A.
Post Office Address (if different)	

Full name of fourth inventor, if any Laura A. Rudolph-Owen	Date
Inventor's signature	
Residence 186 Arborway, #1, Jamaica Plain, MA 02130	
Citizenship U.S.A.	
Post Office Address (if different) Post Office Name	

Full name of sole or first inventor Ruth Gimeno	Date
Inventor's signature	
Residence 250 Commonwealth Avenue, Apt. No. 23, Boston, Massachusetts 02116	
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and was amended on _____
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one: Priority No Priority

no such applications have been filed.

such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION or which
priority was claimed

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
X was filed on April 18, 2001	18,7001	04/18/01	<input type="checkbox"/> Yes <input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

I declare under penalty of perjury that the above information is true and correct. I further declare that I have not filed, nor do I intend to file, any application for a patent or inventor's certificate in any country, except the United States, concerning the subject matter described in the application(s) referred to above, and that I have not made any other declaration relating to the subject matter of the application(s) referred to above.

I acknowledge that it is my duty to disclose to the Patent Office all prior art known to me to be material to patentability of the subject matter disclosed in Title 35, U.S.C., in accordance with the provisions of 35 U.S.C. § 111.

CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/192,002

(Application Serial No.)

March 24, 2000

(Filing Date)

(Application Serial No.)

(Filing Date)

ALL FOREIGN APPLICATIONS ARE ANY TIME LONGER THAN 12 MONTHS
16 MONTHS FOR DUS, OR 18 MONTHS FOR PCT, ARE NOT CLAIMED.

Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

09/634,955
(Application Serial No.)

August 8, 2000
(Filing Date)

(Status)
(patented,pending,aband.)

09/816,760
(Application Serial No.)

March 23, 2001
(Filing Date)

(Status)
(patented,pending,aband.)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield Reg. No. 19,162 Peter C. Lauro Reg. No. 32,360
Thomas V. Smurzynski Reg. No. 24,798 DeAnn F. Smith Reg. No. 36,683
Ralph A. Loren Reg. No. 29,325 David J. Rikkers Reg. No. 43,882
Julio A. DeConti, Jr. Reg. No. 31,503 Maria C. Laccotripe Limited Recognition
Ann Lampert Hammitt Reg. No. 34,858 Debra J. Milasincic Under 37 C.F.R. § 10.9(b)
Elizabeth A. Hanley Reg. No. 33,505 David R. Burns Reg. No. 46,931
Amy E. Mandragouras Reg. No. 36,207 Sean D. Detweiler Reg. No. 46,590
Anthony A. Laurentano Reg. No. 38,220 Peter S. Stecher Reg. No. 42,482
Jane E. Remillard Reg. No. 38,872 Cynthia L. Kanik Reg. No. 47,259
Jeremiah Lynch Reg. No. 17,425
Kevin J. Canning Reg. No. 35,470
Jeanne M. DiGiorgio Reg. No. 41,710
Megan E. Williams Reg. No. 43,270
Nicholas P. Triano III Reg. No. 36,397

any other application(s) filed by others in the United States or elsewhere, or any invention described or claimed in my earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives, or disclosed in country foreign to the United States prior to the date of filing of said application(s), or known to me prior to the filing of said earlier application(s), and to: LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109, and to: Jean M. Silveri Reg. No. 39,030, Theodore Allen Reg. No. 41,578, Jill E. Uhl Reg. No. 43,213, Susan M. Perkins Reg. No. 36,405, Mark F. Boshar Reg. No. 35,456, Scott A. Brown Reg. No. 32,724, George C. Jen Reg. No. 39,239.

of Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, MA 02139

(Application Serial No.) (Filing Date) (Status)
Send Correspondence to Amy E. Mandragouras, Esq. at Customer Number: 000959 whose
address is:

Jahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Amy E. Mandragouras, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER IN ALL THINGS WHICH ARE NAMED OR UNNAMED. THEREFORE APPOINT THE FOLLOWING ATTORNEYS
FOR ME, AND LET THEM ACT AS MY AGENTS, AND TRANSMIT ALL BUSINESS IN THE FUTURE, AND
FOR GOING FORWARD, TO THE ATTACHED PERSONS.

Full name of first inventor	Rachel Meyers	Date
Inventor's signature	RACHEL MEYERS	Date
Residence	Reg. No. 36,258	
115 Devonshire Road	Reg. No. 33,863	Reg. No. 36,258
Newton, MA 02468	Reg. No. 36,207	Reg. No. 36,530
Citizenship	Reg. No. 33,863	Reg. No. 37,259
U.S.A.	Reg. No. 33,874	Reg. No. 37,259
Post Office Address (if different)	Reg. No. 41,919	
Patent M. INCHLAWIE	Reg. No. 41,919	

Full name of second inventor	William James Cook	135 Sidney Street, Boston, MA 02139
Inventor's signature	Reg. No. 39,030	Mad T. Boston George C. Jen
Residence	Reg. No. 43,213	Date Reg. No. 35,450 P.O. Box 21774
22 Reynolds Avenue Natick, MA 01760	Reg. No. 39,405	Reg. No. 39,239
Citizenship	U.S.A.	
Post Office Address (if different)	Mandarins, 139	Customer Number: 000959

Full name of third inventor, if any	Mark Williamson
Inventor's signature	
Date	10/10/2013
Residence	15 Stohecrest Drive Saugus, MA 01906
Citizenship	U.S.A.
Post Office Address (if different)	

I declare that I am the author of the invention described in my application, and that all statements made herein are true to the best of my knowledge, and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fourth inventor, if any	
Laura A. Rudolph-Owen	
Inventor's signature	Date
<i>X Laura Rudolph Owen</i>	<i>X 10/3/01</i>
Residence	
186 Arborway, #1, Jamaica Plain, MA 02130	
Citizenship	U.S.A. 02468
U.S.A.	
Post Office Address (if different)	
Post Office Address (if different)	

Full name of sole or first inventor	
Ruth Gimeno (second inventor)	
Inventor's signature	Date
<i>Ruth Gimeno</i>	<i>10/3/01</i>
Residence	
250 Commonwealth Avenue, Apt. No. 23, Boston, Massachusetts 02116	
Citizenship	America
U.S.A. MA 01760	
Post Office Address (if different)	
U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any
 Michael J. O'Neil
 Inventor's signature
Michael J. O'Neil
 Residence
 15 Savin Hill Avenue
 Somerville, MA 02145
 Citizenship
 U.S.A.
 Post Office Address (if different)

Customer Number: 000959

Attorney's
Docket
Number MNI-134CP2

Inventor

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,
Post Office Address (if different)

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

32142, 21481, 25964, 21686, NOVEL DEHYDROGENASE MOLECULES AND USES**THEREFOR**

the specification of which

(check one)

250 Commonwealth Avenue, Apt No. 23, Boston, Massachusetts 02116

C is attached hereto.

U.S.

X was filed on April 18, 2001 as

Application Serial No. 09/838,561

and was amended on _____

(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one: Education, Health

As X no such applications have been filed.

such applications have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
INDIA	21686/NP/01/DE/0001		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

(6 MONTHS FOR DESIGN) PRIOR TO THIS CONTRACT
and was submitted on

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 37 CFR 1.56.

CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S) §

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. I declare under penalty of perjury that the matter has not been filed in any other country.

60/192,002

(Application Serial No.)

March 24, 2000

(Filing Date)

No applications have been filed.

(Application Serial No.)

(Filing Date)

ALL FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS
OR DESIGN(S) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (International Date)	Priority Claims (U.S. Application No.)
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS
OR DESIGN(S) PRIOR TO THIS U.S. APPLICATION

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112; I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

09/634,955

(Application Serial No.)

August 8, 2000

(Filing Date)

(Status)

(patented,pending,aband.)

09/816,760

(Application Serial No.)

March 23, 2001

(Filing Date)

(Status)

(patented,pending,aband.)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

of Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, MA 02139.

(Application Serial No.) 10/705,475 (Title) ADJUSTABLE CLOTHING GARMENT (Status)
Send Correspondence to Amy E. Mandragouras, Esq. at Customer Number: 000959 whose
address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

Amy E. Mandragouras, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I, RACHEL MEYERS, AS A NAMED INVENTOR, HEREBY APPEND THE FOLLOWING INFORMATION AND SIGNATURES ON THIS APPLICATION OR THE STATEMENT OF BUSINESS OR INDUSTRIAL AFFILIATION CONNECTED THEREWITH.

Full name of first inventor	Date	Date filed	
Rachel Meyers	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Inventor's signature	Date	Date filed	
Rachel Meyers	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Residence	Date	Fee \$	
Committe 115 Devonshire Road Newton, MA 02468	Reg. No. 33,626	Dec. 1, 1987	\$ 10.95
Citizenship	Date	Fee \$	
U.S.A.	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Post Office Address (if different)	Date	Fee \$	
Jeanne M. DiGiorgio	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Megan M. Williams	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Nicholas P. Toliano II	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626

Full name of second inventor	Date	Date filed	
William James Cook	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Inventor's signature	Date	Date filed	
William James Cook	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Residence	Date	Date filed	
UHL 22 Reynolds Avenue Natick, MA 01760	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Citizenship	Date	Date filed	
U.S.A.	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Post Office Address (if different)	Date	Date filed	
Mandragores Inc.	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
775 Sidney Street, Cambridge, MA 02129	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626

Full name of third inventor, if any	Date	Date filed	
Mark Williamson	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Inventor's signature	Date	Date filed	
Mark Williamson	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Residence	Date	Date filed	
15 Stonecrest Drive Saugus, MA 01906	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Citizenship	Date	Date filed	
U.S.A.	Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626
Post Office Address (if different)	Date	Date filed	
Reg. No. 33,626	Dec. 1, 1987	Reg. No. 33,626	

I, RACHEL MEYERS, HEREBY STATE THAT I MADE THE STATEMENTS SET FORTH ABOVE, FOR THE INVENTION OR DISCOVERY DESCRIBED AND THAT I HAD SPECIFIC KNOWLEDGE OF THE SAME, AND THAT MY SIGNATURE IS MY NAME TO SAME, AND THAT I UNDERSTAND THAT WILLFUL FALSE STATEMENTS MADE IN THIS APPLICATION OR IN ANY PATENT ISSUED THEREON, OR BOTH, MAY BECOME DETERMINATIVE OF THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Full name of fourth inventor, if any Laura A. Rudolph-Owen	Date
Inventor's signature	
Residence 186 Arborway, #1, Jamaica Plain, MA 02130	
Citizenship U.S.A.	
Post Office Address (if different) Post Office Address (if different)	

Full name of sole or first inventor Ruth Gimeno	Date
Inventor's signature <i>Ruth Gimeno</i>	<i>x 10/3/01</i>
Residence 65 BEVERLY RD, WELLESLEY, MA 02481 250 Commonwealth Avenue, Apt. No. 23, Boston, Massachusetts 02116	PG. 10/3/01
Citizenship U.S.A.-GERMANY	PG. 10/3/01
Post Office Address (if different) U.S.A.	
Post Office Address (if different)	

Full name of third inventor, if any Mark W. Ladd, SPC Gordon's, Inc., MA
Residence 1A Street, Boston, MA 02116
Post Office Address (if different)



UNITED STATES
PATENT AND
TRADEMARK OFFICE

MAY 31, 2002

PTAS

Commissioner for Trademarks
Arlington, VA 22202-3513
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LAHIVE & COCKFIELD, LLP
AMY E. MANDRAGOURAS, ESQ.
28 STATE STREET
BOSTON, M.A. 02109



102046442A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/25/2002

REEL/FRAME: 012748/0645
NUMBER OF PAGES: 16

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR: MEYERS, RACHEL DOC DATE: 10/05/2001

ASSIGNOR : DOC. DATE : 01/04/2002

COOK, WILLIAM JAMES

ASSIGNMENT WILLIAMSON, MARK DOC DATE: 01/04/2002

ASSIGNOR: RUDOLPH-OWEN, LAURA A. DOC DATE: 10/03/2001

ASSIGNOR: GIMENO, RUTH DOC DATE: 10/03/2001

ASSIGNEE:
MILLENNIUM PHARMACEUTICALS, INC.
75 SIDNEY STREET
CAMBRIDGE, MASSACHUSETTS 02139

012748/0645 PAGE 2

SERIAL NUMBER: 09838561
PATENT NUMBER:

FILING DATE: 04/18/2001
ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Tab settings ⇡ ⇢ ⇢

04-08-2002



102046442

SHEET

U.S. DEPARTMENT OF
COMMERCE
Patent and Trademark Office

▼ MNI-134CP2

Attached original documents or copy thereof.

1. Name of conveying party(ies):

1) Rachel Meyers 3-25-02
2) William James Cook
3) Mark Williamson
4) Laura A. Rudolph-Owen
5) Ruth GimenoAdditional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance

- Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Dates: 1) October 5, 2001; 2) January 4, 2002; 3)
October 4, 2001; 4) October 3, 2001; and 5) October 3, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/838,561Additional numbers attached? Yes No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: Amy E. Mandragouras, Esq.

Internal Address: Lahive & Cockfield, LLP

Street Address: 28 State Street

City: Boston State: MA ZIP: 02109

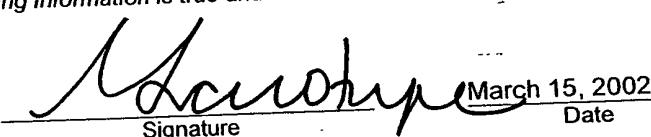
DO NOT USE THIS SPACE

2002 MAR 25 PM 2:08
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FINANCE SECTION

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of
the original document.Maria C. Laccotripe, Ph.D.
Limited Recognition Under CFR §10.9(b)

Name of Person Signing


 Signature March 15, 2002
 Date

Total number of pages including cover sheet, attachments, and document:

16

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and TrademarksBox Assignment
Washington, D.C. 20231

04/2002 LMUELLER 00000085 09838561

40.00 DP

FD-581

ASSIGNMENT

We, Rachel Meyers of Newton, MA, William James Cook of Natick, MA, Mark Williamson of Saugus, MA, Laura A. Rudolph-Owen of Jamaica Plain, MA, and Ruth Gimeno of Boston, MA, in consideration of One Dollar and other valuable consideration paid to us by

Millennium Pharmaceuticals, Inc.

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA, 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Millennium Pharmaceuticals, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

32142, 21481, 25964, 21686, NOVEL DEHYDROGENASE MOLECULES AND USES
THEREFOR

described in an application

- executed by us of even date herewith and about to be filed
- Serial No. 09/838,561, filed on April 18, 2001

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 5 day of Oct, 2001.

By: Rachel Meyers
 Rachel Meyers

State of Massachusetts)
)ss
 County of Middlesex)

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 5th day of October, 2001.

Anne Sherry
 Notary Public (ANN SHERRY)
 My Commission Expires 4/19/07

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
William James Cook

State of Massachusetts)
)
)ss
County of)

Then personally appeared the above named William James Cook and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Mark Williamson

State of Massachusetts)
)
)ss
County of)

Then personally appeared the above named Mark Williamson and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Laura A. Rudolph-Owen

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Laura A. Rudolph-Owen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Ruth Gimeno

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Ruth Gimeno and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

ASSIGNMENT

H. L. MAYERSON MP12000-079ARICP

We, Rachel Meyers of Newton, MA, William James Cook of Natick, MA, Mark Williamson of Saugus, MA, Laura A. Rudolph-Owen of Jamaica Plain, MA, and Ruth Gimeno of Boston, MA, in consideration of One Dollar and other valuable consideration paid to us by

Millennium Pharmaceuticals, Inc.

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA, 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Millennium Pharmaceuticals, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

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THEREFOR

described in an application

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 Serial No. 09/838,561, filed on April 18, 2001

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Rachel Meyers

State of Massachusetts)
)
)ss
County of)

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
William James Cook

State of Massachusetts)
)
)ss
County of)
)

Then personally appeared the above named William James Cook and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 4th day of October, 2001.

By: X Mark Williamson
Mark Williamson

State of Massachusetts)
)
)ss
County of Middlesex)

Then personally appeared the above named Mark Williamson and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 4th day of October, 2001.

An Sherry
Notary Public (ANN SHERRY)
My commission expires: 4/19/07

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Laura A. Rudolph-Owen

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Laura A. Rudolph-Owen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Ruth Gimeno

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Ruth Gimeno and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

ASSIGNMENT

L. DOLPH - OWEN
A12000 - 079 PIR ICPZ

We, Rachel Meyers of Newton, MA, William James Cook of Natick, MA, Mark Williamson of Saugus, MA, Laura A. Rudolph-Owen of Jamaica Plain, MA, and Ruth Gimeno of Boston, MA, in consideration of One Dollar and other valuable consideration paid to us by

Millennium Pharmaceuticals, Inc.

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA, 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Millennium Pharmaceuticals, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

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THEREFOR

described in an application

- executed by us of even date herewith and about to be filed
 Serial No. 09/838,561, filed on April 18, 2001

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Rachel Meyers

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
William James Cook

State of Massachusetts)
)ss
County of)

Then personally appeared the above named William James Cook and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Mark Williamson

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Mark Williamson and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 3rd day of October, 2001.

By: Laura Rudolph-Owen
Laura A. Rudolph-Owen

State of Massachusetts)
)
)ss
County of Middlesex)

Then personally appeared the above named Laura A. Rudolph-Owen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 3rd day of October, 2001.

Ann Sherry
Notary Public (ANN SHERRY)
My commission expires: 4/19/07

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Ruth Gimeno

State of Massachusetts)
)
)ss
County of)

Then personally appeared the above named Ruth Gimeno and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

We, Rachel Meyers of Newton, MA, William James Cook of Natick, MA, Mark Williamson of Saugus, MA, Laura A. Rudolph-Owen of Jamaica Plain, MA, and Ruth Gimeno of <sup>BOSTON, MA,
WELLESLEY</sup> ^{RS/10/31/01} in consideration of One Dollar and other valuable consideration paid to us by

Millennium Pharmaceuticals, Inc.

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA, 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Millennium Pharmaceuticals, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Rachel Meyers

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
William James Cook

State of Massachusetts)
)ss
County of)

Then personally appeared the above named William James Cook and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Mark Williamson

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Mark Williamson and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Laura A. Rudolph-Owen

State of Massachusetts)
)
)ss
County of)

Then personally appeared the above named Laura A. Rudolph-Owen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 3rd day of October, 2001.

By: Ruth Gimeno
Ruth Gimeno

State of Massachusetts)
)
)ss
County of Middlesex)

Then personally appeared the above named Ruth Gimeno and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 3rd day of October, 2001.

Ann Sherry
Notary Public (ANN SHERRY)

My commission expires: 4/19/07

ASSIGNMENT

W.J. Cook
MPI 2000-079 PIR CPZ

Handover WJC

We, Rachel Meyers of Newton, MA, William James Cook of New London, NH, Mark Williamson of Saugus, MA, Laura A. Rudolph-Owen of Jamaica Plain, MA, and Ruth Gimeno of Boston, MA, in consideration of One Dollar and other valuable consideration paid to us by

Millennium Pharmaceuticals, Inc.

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA, 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Millennium Pharmaceuticals, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Rachel Meyers

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 4 day of January, ²⁰⁰¹2001.

By: X William James Cook
William James Cook

Massachusetts
State of New Hampshire)
) s.s.
County of Middlesex)

Then personally appeared the above named William James Cook and acknowledged the foregoing ^{AS} instrument to be his/her free act and deed, before me, this 4th day of January, ²⁰⁰¹2001.

Ann Sherry
Notary Public (ANN SHERRY)

My commission expires: 4/19/07

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Mark Williamson

State of Massachusetts)
)
County of)

Then personally appeared the above named Mark Williamson and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Laura A. Rudolph-Owen

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Laura A. Rudolph-Owen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 2001.

By: _____
Ruth Gimeno

State of Massachusetts)
)ss
County of)

Then personally appeared the above named Ruth Gimeno and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Notary Public

My commission expires: _____